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<p>Experiences with Al and Zn bearings. Josef Trindl. <i>Hornschy Vstah 23, 28 9(1941); Chem. Zentr. 1941, II, 204.</i> Where Sn can be replaced in bearing metals, Al and Zn always predominate. Analysis of various alloys is given. Zn alloys can be introduced without change, even the type of lubricant remains the same. In the mining industry, such alloys are suitable for small locomotives. The prejudice against the Al alloys is found to be unfounded when the proper alloy is selected.</p> <p style="text-align: right;">H. Straetz</p>																									
<p>ASM AIA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>SECTION DIVISION</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>																									

1ST AND 2ND EDITS		PRECISE AND PROPERTIES INDEX		3RD AND 4TH EDITS	
<p><i>m</i></p> <p>Electro-Tinning and Delineating of Steel Sheet. Josef Teindl (Hornachy Vedenik, 1941, 22, 95-97; Chem. Zentr., 1942, 112, (1), 3193; C. Ab., 1943, 27, 3351).—(Clean and smooth steel sheet is necessary to produce bright tin coatings. Commercial methods for hot and electrolytic tinning are described. Electro-tinning causes no loss of tin by oxidation, is more economical, and can produce a sheet having 30 grm. of tin/m.² on one side and 5 grm./m.² on the other, whereas 40 grm./m.² on each side is given by hot tinning. Sheet having approx. 3 grm./m.² of tin is satisfactory for lacquering. Porosity in tin coatings cannot be eliminated by either method. Sheet for use in food cans should have >3-5 pores/cm.², although up to 17 have been allowed.</p>					
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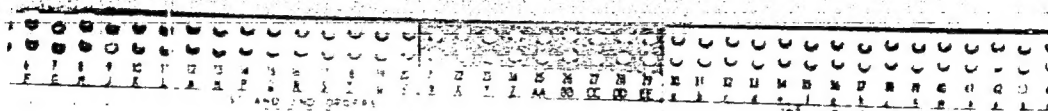
PRECEDENTS AND PROPERTIES INDEX																									
<p><i>M</i> <i>7</i></p> <p>"Lacquered Tinplate and Its Testing by Glazunov's Electrographic Method. Josef Tinkl (Chem. Abstr. 1943, 18, (3), 8 pp.) - (in Czech). Results obtained by Glazunov's method (Korrosion u. Metallektrolyse, 1941, 16, 341; Met. Abs., this vol., p. 106) show that the porosity of the lacquer layer on rough tinplate is slightly less, and its tenacity greater, than on polished metal. Pre-treat- ment of the metal with ammonium sulphate does not affect porosity of the layer, but protects against rust before lacquering. Blue tinplate gives less porens layers, which have, however, a tendency towards swelling. R. T</p>																									
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TEINDL J.

V

Using Cast Iron and Mild Steel as a Material for Roll Bearings in Rolling Mills. J. Teindl. (Hutnická Listy, 1950, vol. 8, Mar., pp. 97-101). [in Czech]. Cast iron and mild steel bearings were used experimentally in roll stands at several works in Silesia to replace bronze bearings. The compositions of the cast iron and steel used and test data are reported. Drawings show the design of the bearings and stands. The bearing surfaces after use and their microstructures are also illustrated. These materials can be used in stands for hot-rolling thin strip, cast iron being suitable in the tops and sides of the bearings. Mild steel is applicable in stands with roll-neck diameters exceeding 600 mm. The type of stand and the lubricant have a great effect on the bearing life.—S. S.

T-4



5 16

Fundamentals of Tinning Practice. J. Trindl. (*Hutn.* (Prague), 1931, 1, No. 2, 37-39). [In Czech]. Methods of tinning sheet iron, faults arising during and before rolling of the sheet, and in preparing and tinning it are discussed, and some remedies considered. The qualities, dimensions, and uses of tinplate are mentioned. — r. v.

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2

3814* Phosphorus in Tin Plate in Soviet Practice. (In Czech.) Josef Trindl. *Hutnické Listy*, v. 6, Nov. 1951, p. 548-549.
In Soviet practice, it was found that a phosphorus content of 0.08-0.10% is the best for preventing sticking of sheets. It is necessary to melt phosphorus steel in an openhearth furnace with a basic slag in order to retain the special properties desired.

TEINDL, J.

"Fighting corrosion on the inside of containers." p. 184. (Chemie. Vol. 7, no. 10, Oct. 1951. Praha.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

AS M

644-L. (Czech.) Electrolytic Zinc Plating of Sheet Iron and Its Protection. Josef Teindl. Hutnické Listy, v. 7, Mar. 1962, p. 132-139.

The replacement of hot galvanizing by electrolytic Zn plating for sheet and strip. Proposes a method of preventing the formation of black spots on the inside of plated cans. Equipment diagram. 14 ref. (127, Zn, CN)

TEINDL, J.

Journal of the
June 1954
Protective Coatings

APPROVED FOR RELEASE: 07/16/2001

The Formation of White Spots on High-Gloss Tinned Sheet

(Czech). The occurrence of grey patches and white spots was observed on large tinned sheets (80-120 g. tin per sq. m.), all of which had been hot-rolled. The primary cause of the formation of white spots was the presence of oily films and reaction products formed during bright-annealing. Clean surfaces and constant control of the tinning process are necessary to reduce the rejects thus caused.—P. V.

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TEINDL, J.

Dependence of Pickling Losses on the Method of Rolling
Thin Steel Sheet. J. Teindl. *Hutnické Listy*, 1953, 8, 1,
129-134. [in Czech]. The theory of the pickling of steel sheet
is explained and the influence of sheet thickness, surface
fume, method of rolling, and annealing furnace atmosphere
is considered on the basis of the author's and other workers'
experimental material. The method of rolling and the
furnace atmosphere are of primary importance owing to their
influence on the nature of the steel surface.—r. v.

J. Teindl, Steel Institute
V17.5 part 2 - Oct 1953
Machine for Iron
etc. etc.

TEINDL, J.

"Founding with scrap metal or new metal?" p. 123 (Hutník Vol. 3, no. 6, June 1953 Praha)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954,
Uncl.

TEINDL, J.

Straight or reverse rolling of wide strips; a discussion of F. Wiesner's article "Hot Rolling of Wide Strips." P. 528.

SO: East European Accessions List, Vol. 3, No. 9, Sept. 1954, Lib. of Congress

Teindl, J.

✓ Theory of Hot-Galvanized Metal Coatings. Josef Teindl
(*Hutnické Listy*, 1954, 8, 731-735; *C. Abh.*, 1955, 49, 9474).
ME [In Czech]. Some questions are considered concerning hot-
galvanized metal coatings, especially fluxes and their effect
on quality of metal coatings on galvanized and tinplated
sheets. The structure of these coatings, the effect of addn.
to the steel and to the molten-metal bath, and especially the
effect of Al in hot-galvanizing, are examined.

2/2

Teindl, J.

Production and use of thin steel plate. p. 206. HUTNIK. (Ministerstvo hutního průmyslu a rudných dolů) Praha. Vol. 4, no. 7, July 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

TEIDL, T.

"Selection of Designs." p. 39. (ODZIEZ, Vol. 5, No. 2, Feb. 1954.
Lodz, Poland.)

SO: Monthly List of East European Accessions, (EEAL), IC,
Vol. 3, No. 12, Dec. 1954, Uncl.

TEINDL, Josef

B. T. R.
Juno 1954
Coatings

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7780* Metallography of Tin, Tin Alloys, and Tin Coating on Steel. (Czech.) Josef Teindl. Hutnické Listy, v. 9, no. 2, Feb. 1951, p. 95-98.

New ways of cleaning, coating, polishing, and etching. Methods for metallographic research of tin layers on steel. Micrographs, diagrams. 14 ref.

7/16/01

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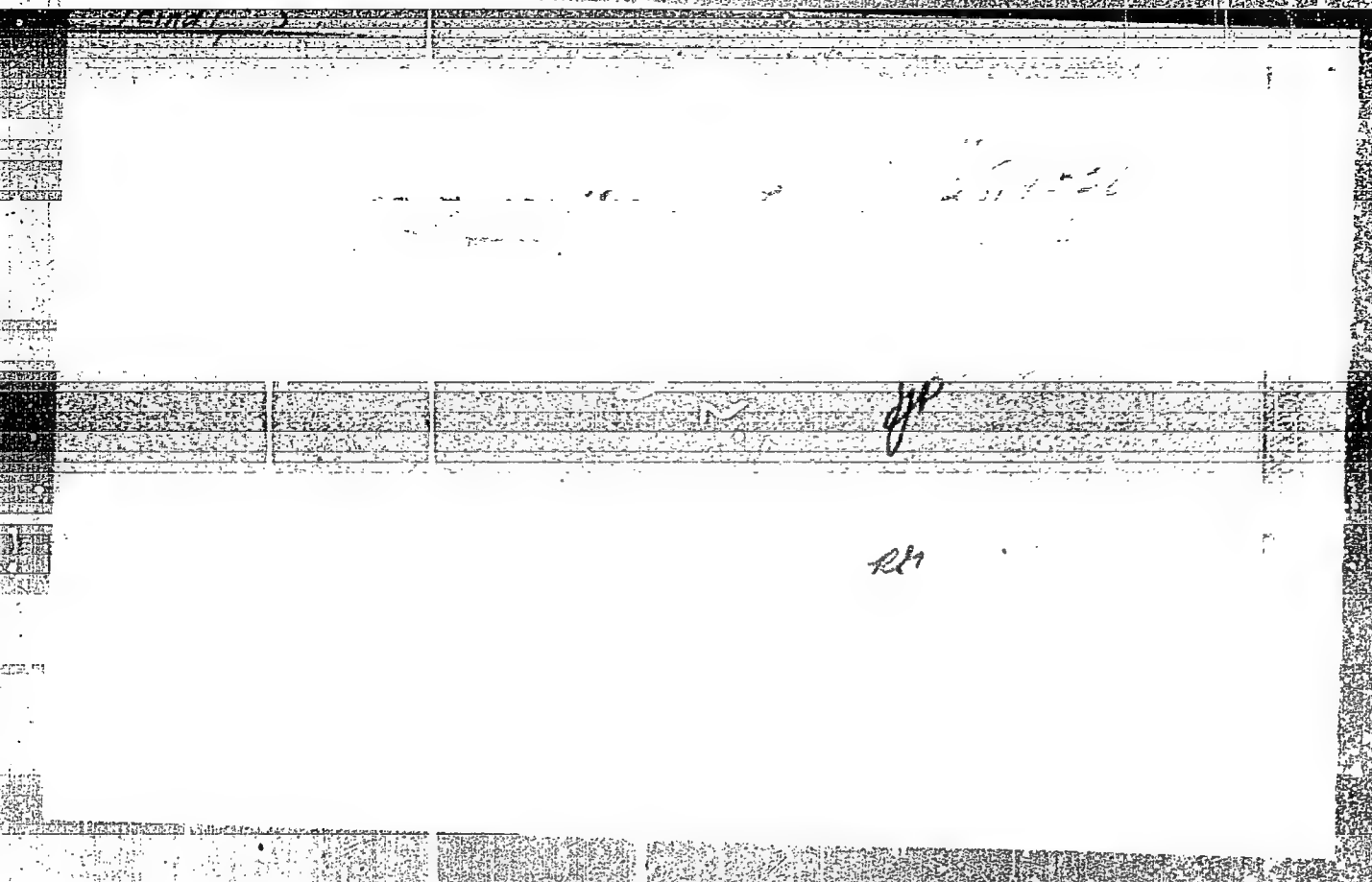
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Contribution to the Theory of Hot Galvanizing - J. Tóth
(*Metallurg. Listy*, 1954, 9, (12), 731-735). The process of the
principal stages in galvanizing, and the effect of fluxes on the
surface quality in the galvanizing and tinning of steel sheet
are discussed. The structure of the coatings and the effects
on the structure of non-metallic inclusions in steel, and of
additions (such as aluminum in galvanizing), as well as
corrosion protection are considered. P. 8.

M. J.

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TEINDL, J

✓ 968° Cladding of Thin Sheets With Stainless Steels. Plátování tenkých plechů nerezavějícími ocelmi. (Czech.) Josef Teindl. Hutník, v. 5, no. 7, July 1973, p. 204-205.
To economize on Ni and Cr, O steel sheet is clad with stainless steel. Heating, rolling, and welding steps in cladding. Tables, diagrams.

DI
MET

TEINDL, J.

Votypka, K. Czechoslovak and foreign vinned sheet metal. p. 355.
HUTNICKE LISTY, Brno, Vol. 10, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

TEINDL, J.

Use of stainless steel for plating sheet metal. p. 294.
(HUTNIK, vol. 5, no. 7, July 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), IC, Vol. 4, No. 11,
Nov. 1955, Uncl.

TEINDL, J.†

Teindl, J.; Votypka, K. Czechoslovak and foreign tinned sheet metal. p. 355.
HUTNICKE LIST. Brno. Vol. 10, no. 6, June 1955.

SO: Monthly List of the Est European Accession, (EEAL), LC. Vol. 4,
no. 10, Oct. 1955. Uncl.

TEINDL, J.

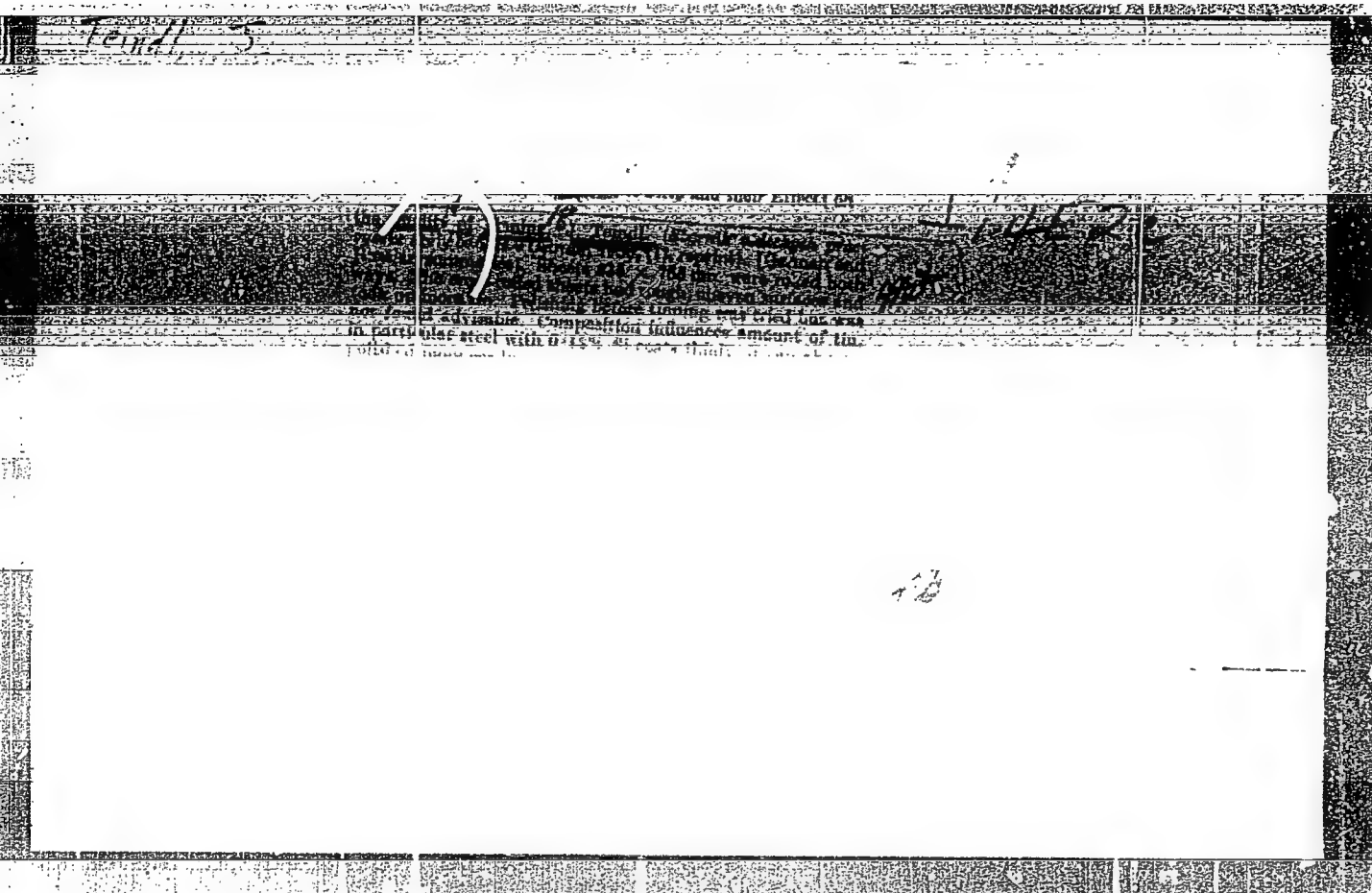
First sheet-metal rolling mill in Bohemia. p. 422. HUTNICKE LISTY.
Brno. Vol. 10, no. 7, July 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956,

WINDL, Josef.

1985. Metallurgical Remarks on the Production and the Use of Preserve Tins. *Hutnické poznámky k výrobě a použití konzervových krabic.* (Czech.) Josef Tetuší and Dagmar Zafonová. *Hutnické listy*, v. 10, no. 11, Nov. 1935, p. 654-662. Discussion of factors causing defects in Sn cans, including coating, thickness variation, metal purity, desire to conserve Sn supplies, and soldering factors. Dependence of coating adherence on Fe-Sn intermediate layer. Diagrams, tables, micrographs. 23 ref.

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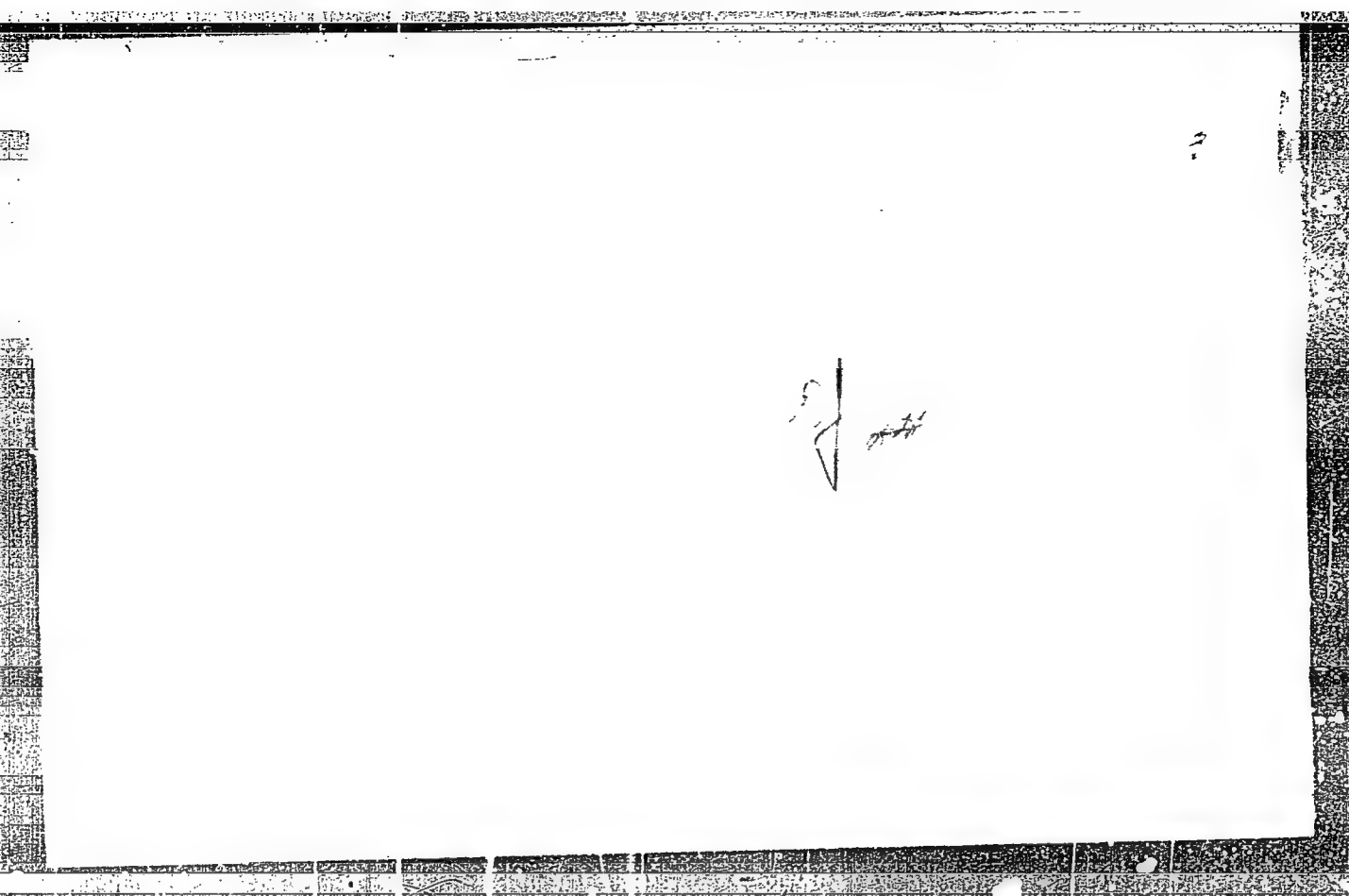
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TEINDL, JOSEF

CZECHOSLOVAKIA/Corrosion - Protection From Corrosion.

J.

Abs Jour : Ref Zhur - Khimiya, No 2, 1957, 6867

Author : Teindl Josef, Hila Emil

Inst :

Title : Corrosion of Mine Cables and Its Causes

Orig Pub : Hutnicke listy, 1956, 11, No 2, 77-86

Abstract : On the basis of literature data the following questions were considered: effect of the surface condition of the wire on fatigue corrosion arising on variable stresses; mechanism of formation and growth of microfissures in the metal; significance of lubrication, zinc coating and polishing, as concerns protection of the wire; effect of treatment processes, structure and coppering on corrosion of the cable. Investigated was the rate of corrosion of two cables, one of which had not been in use and the other used for 3 months.

Card 1/1

TEINDL, JOSEF

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Corrosion. Protection from
Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8385

Author : Teindl Josef, Blahoz Otakar

Inst : -

Title : Corrosion of Wire Drawn After Zinc-Plating.

Orig Pub : Hutnicke listy, 1956, 11, No 2, 99-102

Abstract : The technology of drawing of zinc-plated wire (W) is considered, as well as the corrosion resistance (CR) of the wire. To enhance the CR use should be made of carbon-steel W and the hot Zn-coating conducted in pure Zn; in drawing, during the last passes, a neutral emulsion should be used. The described technology of drawing makes it possible to decrease expenditure of Zn and electric power, to enhance the mechanical characteristics of the W, extend the life of drawing machines and improve the condition of the surface of the W.

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Teindl, J.

From the activities of the Czechoslovak Scientific Society for
Metallurgy and Founding. p. 170. HUTNICKE LISTY. (Ministerstvo
hutního průmyslu a rudných dolů) Brno. Vol. 11, no. 3, Mar. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

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TEINDL, J

TEINDL, J. - Testing bar control and ductility. p. 14
Vol. 7, No. 1, Jan. 1957
HUTNIK (Ministerstvo Hutního průmyslu a rudných dolů)
Praha

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

TEINDL, J.; BEZECNY, L.

Zinc-plated sheets and their defects.

P. 273, (Hutník) Vol. 7, no. 8, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

TEINEL, J.

Some remarks on the life and corrosion of mine cables.

P. 325. (UHLL.) (Praha, Czechoslovakia) Vol. 7, No. 10, Oct. 1957

SO: Monthly Index of East European Accession (E:AI) LC. Vol. 7, No. 5, 1958

TEINDL JOSEF,

Czechoslovakia /Chemical Technology. Chemical Products H-4
and Their Application
Corrosion. Protection from Corrosion.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1620

Author : Teindl Josef, Hrbek Ant.

Title : Corrosion of the Inside Surfaces of Tin Cans

Orig Pub: Prumysl potravín, 1957, 8, No 2, 68-73

Abstract: Description of the corrosion of the inside surface of tin cans, and of studies of the sulfide layer that is formed. It is proposed to treat the cans with a passivating solution of the following composition (in grams per liter): Na_3PO_4 9, $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$ 8, NaOH 20, wetting agent (for example, alkyl sulfonate) 3.

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TEINDL, J.

Surface Treatment of Hot-Dip-Coated Sheet Produced in
Lithuania

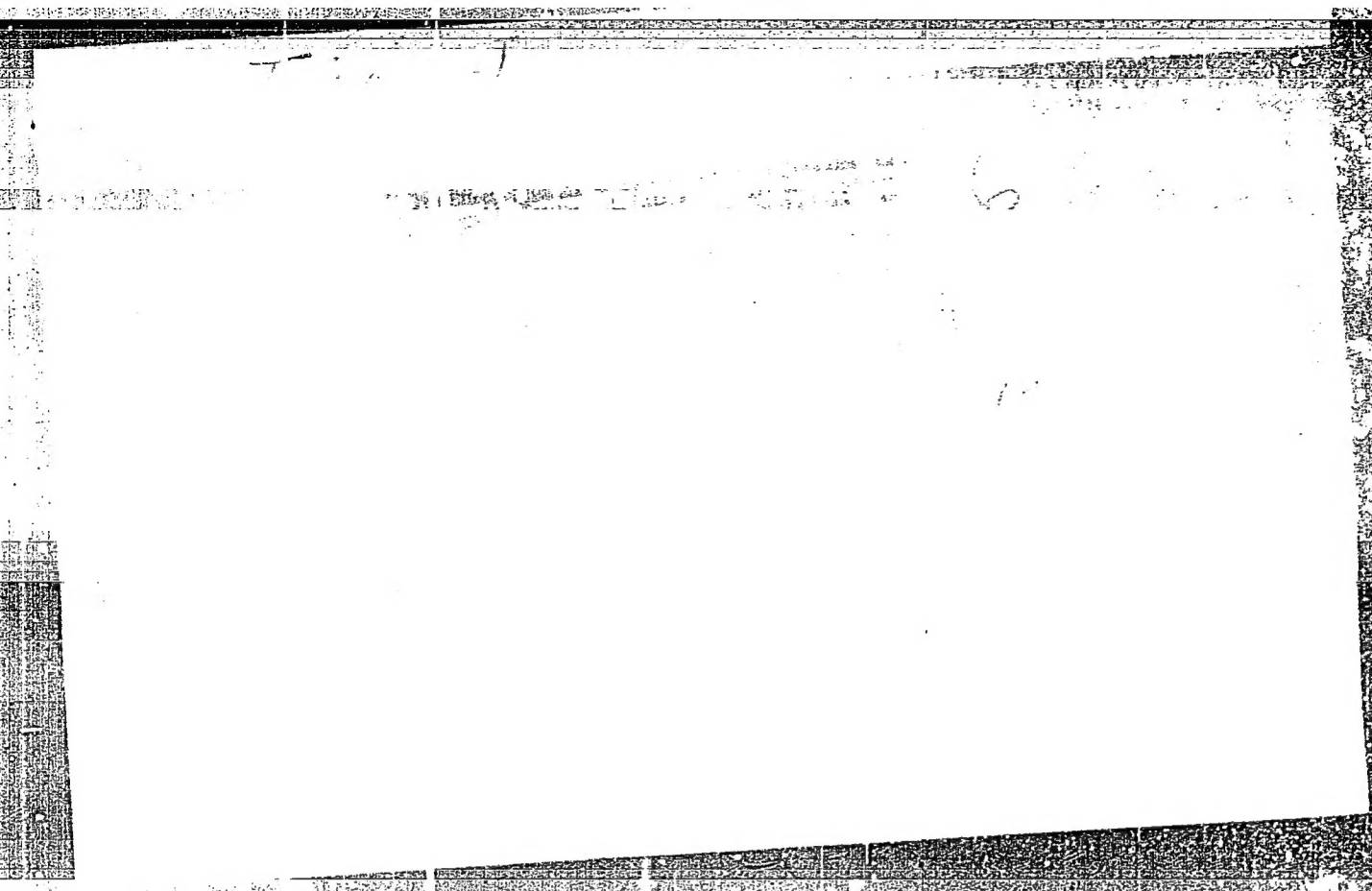
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